

Title (en)

Partially debranched starch clouds.

Title (de)

Stärke mit teilweise abgespaltenen Seitenketten als Trübungsmittel.

Title (fr)

Amidon partiellement déramifié comme agent opacifiant.

Publication

**EP 0553368 A1 19930804 (EN)**

Application

**EP 92101248 A 19920127**

Priority

EP 92101248 A 19920127

Abstract (en)

This invention provides a process for preparing a stable, opaque cloud in a fluid which employs partially debranched starch. This starch is prepared by enzymatic hydrolysis of the alpha-1,6-D-glucosidic bonds of the starch to form a composition comprising amylopectin, partially debranched amylopectin and up to 65%, by weight, short chain amylose. This invention also provides starches that are useful for forming a stable, opaque cloud in a fluid and a method for preparing these starches, employing an endo-alpha-1,6-D-glucanohydrolase, such as pullulanase or isoamylase.

IPC 1-7

**A23L 1/09**; **A23L 2/26**

IPC 8 full level

**A23L 1/09** (2006.01); **A23L 2/62** (2006.01); **A23L 29/30** (2016.01); **C12P 19/14** (2006.01)

CPC (source: EP)

**A23L 2/62** (2013.01); **A23L 29/35** (2016.07); **C12P 19/14** (2013.01); **C12Y 302/01041** (2013.01); **C12Y 302/01068** (2013.01)

Citation (search report)

- [XD] EP 0372184 A1 19900613 - NAT STARCH CHEM CORP [US]
- [Y] EP 0127291 A1 19841205 - MILLER BREWING [US]
- [Y] EP 0029473 A1 19810603 - GEN FOODS CORP [US]
- [AD] US 4529613 A 19850716 - MEZZINO JOSEPH F [US], et al
- [A] US 4971828 A 19901120 - ABBAS IBRAHIM R [US], et al
- [A] US 4279940 A 19810721 - WURZBURG OTTO B, et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 11, no. 38 (C-401)(2485) 4 February 1987 & JP-A-61 205 495 ( MITSUBISHI CHEM. IND. LTD. ) 11 September 1986

Cited by

CN115968259A; US5616358A; US5855948A; CN107156799A; US2016174598A1; US2017000165A1; CN107427037A; AU2015369972B2; US10881120B2; US11134706B2; US11540549B2; US8057840B2; US7276126B2; WO2016106018A3; WO2015086027A1; US7674897B2; US7678555B2; US7964718B2; US7189288B2; US7754017B2; US7955439B2; WO9626649A1; US7608436B2; US8993039B2; US9868969B2; US9957537B2; US9963726B2; US10344308B2

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0553368 A1 19930804**

DOCDB simple family (application)

**EP 92101248 A 19920127**